

IN THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-3. (Cancelled)

4. (Currently Amended) A sealed hard disk unit comprising
a hard disk box body including a hard disk drive,
a metal top cover sealing said hard disk box body,
an injection molded gasket secured to said top cover, said gasket sealing
between said metal top cover and said hard disk box body,
said metal top cover having a surface roughness of 0.1 to 5 μm where the
injection molded gasket is secured to said metal top cover,
said gasket including a material within a hardness range of 30 to 80 degrees
(JIS durometer type A),
said gasket having a low outgassing property of less than 50 $\mu\text{g/g}$ preventing
error operation of the hard disk drive by components of outgas from the gasket
adhering to the hard disk drive,

said gasket having a base portion on the top cover and a main bead portion protruding from the base portion to the hard disk box body,

a center of a tip of the main bead portion contacting a center of a width of a contact surface of the hard disk box body, the main bead portion avoiding squeezing out from the contact surface of the hard disk box body while sealing between the hard disk box body and the metal top cover and avoiding outgassing of the injection molded gasket from damaging the hard disk drive, and

said gasket having two opposite sides formed by the base portion and the main bead portion, one side of the gasket located facing an exterior of the hard disk unit having an approximate constant slope from the base portion through the main bead portion, the other side of the gasket facing an interior of the hard disk unit having a slope shifting from an approximate constant slope at the base portion to a different approximate constant slope at the main bead portion, shifting at an approximate midpoint of the other side of the gasket,

all surfaces of the gasket extending transversely to said top cover except for the base portion of the gasket, the base portion of the gasket being the only surface extending parallel to the top cover,

said gasket extending from said top cover in a direction towards said hard disk box body, a height of said gasket being less than a height of said top cover so that gasket is recessed within said top cover,

said gasket having a ratio of

$W1/W0 < 0.9$ where a bonding width of a base bonded to the top cover is $W0$, and a width at a position of half a height from a bonding portion of the base with the top cover to a tip end of a main bead portion is $W1$,

$1.15 < H/W0 < 1.80$ where the height from the bonding portion of the base with the top cover to the tip end of the main bead portion is H ,

$L / W0 \geq 3$ where a length of a non-bonded portion around a cross-section excluding a portion of the base bonded to the top cover is L ,

a compression ratio at a time of being compressed between the top cover and the hard disk box body being 13.5% or more, and

the material of the gasket being a heat resistant olefin-series elastomer compound, said gasket withstanding heat of greater than 100°C.

5. (Currently Amended) A sealed hard disk unit comprising
a hard disk box body including a hard disk drive,
a metal top cover sealing said hard disk box body,
an injection molded gasket secured to said top cover, said gasket sealing
between said metal top cover and said hard disk box body,
said metal top cover having a surface roughness of 0.1 to 5 μm where the
injection molded gasket is secured to said metal top cover,

said gasket including a material within a hardness range of 30 to 80 degrees (JIS durometer type A),

said gasket having a low outgassing property of less than 50 $\mu\text{g/g}$ preventing error operation of the hard disk drive by components of outgas from the gasket adhering to the hard disk drive,

said gasket having a base portion on the top cover and a main bead portion protruding from the base portion to the hard disk box body,

a center of a tip of the main bead portion contacting a center of a width of a contact surface of the hard disk box body, the main bead portion avoiding squeezing out from the contact surface of the hard disk box body while sealing between the hard disk box body and the metal top cover and avoiding outgassing of the injection molded gasket from damaging the hard disk drive, and

said gasket having two opposite sides formed by the base portion and the main bead portion, one side of the gasket located facing an exterior of the hard disk unit having an approximate constant slope from the base portion through the main bead portion, the other side of the gasket facing an interior of the hard disk unit having a slope shifting from an approximate constant slope at the base portion to a different approximate constant slope at the main bead portion, shifting at an approximate midpoint of the other side of the gasket,

all surfaces of the gasket extending transversely to said top cover except for the base portion of the gasket, the base portion of the gasket being the only surface extending parallel to the top cover,

said gasket extending from said top cover in a direction towards said hard disk box body, a height of said gasket being less than a height of said top cover so that gasket is recessed within said top cover,

said gasket having a ratio of

$W1/W0 < 0.9$ where a bonding width of a base bonded to the top cover is $W0$, and a width at a position of half a height from a bonding portion of the base with the top cover to a tip end of a main bead portion is $W1$,

$1.15 < H/W0 < 1.80$ where the height from the bonding portion of the base with the top cover to the tip end of the main bead portion is H ,

$L / W0 \geq 3$ where a length of a non-bonded portion around a cross-section excluding a portion of the base bonded to the top cover is L ,

a compression ratio at a time of being compressed between the top cover and the hard disk box body being 13.5% or more

6-8. (Cancelled)